



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141232

Mode: Highway

Status: Submitted

US-74 (Eastwood Road)

From/Cross Street: SR1409 (Military Cutoff Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$25,110,000

Description:

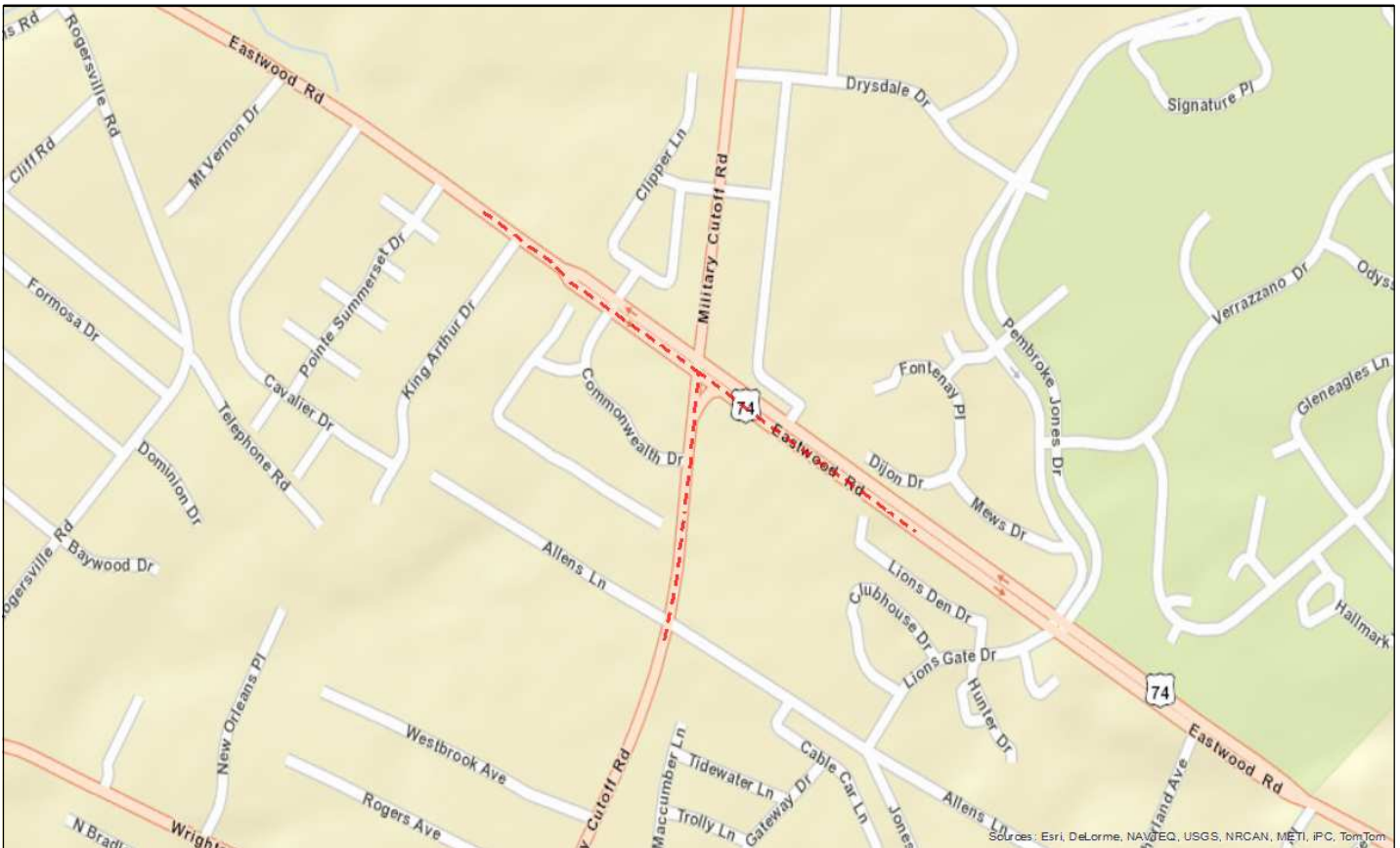
Convert at-grade intersection to an interchange

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 58.84

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 44.58 Congestion (V/C) (30%) 80.79 Safety (10%) 50.00 Economic Competitiveness (10%) 93.87 Multimodal + [Freight & Military] (20%) 34.20	N/A	N/A
Totals: Weight: 100% Weighted Score: 58.84		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 44.58 Multimodal + [Freight & Military] (25%) 34.20 Safety (25%) 50.00	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 29.97		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 80.79 Safety (20%) 50.00 Multimodal + [Freight & Military] (10%) 34.20	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 29.58		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	60002.25
Capacity:	63400
Volume/Capacity Ratio:	0.95
% Autos:	96%
% Trucks:	4%
Truck Volume:	2108.65
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	33.3
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	89
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Arterial
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	50149000
Travel Time Savings for 30 Years (Autos):	48386621.22
Travel Time Savings for 30 Years (Trucks):	1762378.78
Long-Term Employment:	802.96
% Change in Economy:	0.00107448
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Wilmington Urban Area MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$20,250,000	Cost Estimation Tool
Right-of-Way Cost:	\$4,860,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$25,110,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$25,110,000	